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## NeuCo Inc. settles patent suit, acquire Pegasus Technologies

Boston Business Journal - May 16, 2006

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NeuCo Inc. is acquiring Pegasus Technologies Inc., settling a patent suit over soft electric utilities comply with emissions regulations and improve the efficiency of p

Pegasus is owned by Rio Tinto Energy America Services Co., and has its primary c Ohio. NeuCo has been controlled by CRA International Inc. (Nasdaq: CRAI), with based in Boston. Following the deal, CRA's ownership of NeuCo will decline to 36

NeuCo indicated the deal give access to Pegasus fur rment of Energy, ar Pegasus office in Cl

2005, Pegasus suec urt, claiming NeuCo gasus patents cover g and network cont e allegations.

egasus shareholder: erest equal to 26.5 p ng common stock a st-transaction, and with a minimum a on.

Boston electricity distributor

NST) is also a stakeholder in NeuCo.

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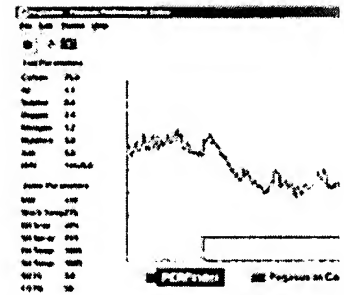


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### 1 [Multilanguage programming with ada in the .Net environment](#)



Jeffrey W. Humphries, Martin C. Carlisle, Terry A. Wilson

 December 2003 **ACM SIGAda Ada Letters , Proceedings of the 2003 annual ACM SIGAda international conference on Ada: the engineering of correct and reliable software for real-time & distributed systems using ada and related technologies SigAda '03**, Volume XXIV Issue 1

Publisher: ACM Press

 Full text available: [pdf\(207.95 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes our experiences in using Ada with other programming languages in the .NET environment. This paper explains our approach and presents lessons learned during our development of a real-world software project using .NET. We compare and contrast the languages used, justify our language choices, and present details of our efforts.

**Keywords:** A#, Ada 95, microsoft .NET environment, multilanguage programming

### 2 [Binary software components in the undergraduate computer science curriculum](#)



Allen Parrish, Brandon Dixon, David Cordes

 February 2001 **ACM SIGCSE Bulletin , Proceedings of the thirty-second SIGCSE technical symposium on Computer Science Education SIGCSE '01**, Volume 33 Issue 1

Publisher: ACM Press

 Full text available: [pdf\(442.10 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

At one time, commercial software applications were released as single binary executable files. Discussions of the notion of a "software component" were almost always limited to the context of source code. However, with the proliferation of numerous new technologies, applications are now more typically released as collections of cooperating binary components. While there is significant industrial emphasis on binary component technologies, computer science curricula have not yet standardized upon ...

### 3 [Synchronous distance learning via the Internet experience and status report –](#)

John Sigle

 April 2001 **Journal of Computing Sciences in Colleges , Proceedings of the sixth annual CCSC northeastern conference in The journal of computing in small colleges**, Volume 16 Issue 4

Publisher: Consortium for Computing Sciences in Colleges , Consortium for Computing Sciences in Colleges

 Full text available: [pdf\(68.03 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Remote conferencing via the Internet will soon provide a cost effective and convenient avenue for distance learning. Used in conjunction with the asynchronous methods that are currently

popular, both virtual classrooms and virtual office visits will provide ready access to instruction from a student's home or office. While some short-term technical impediments exist, the real bottlenecks are more likely to be in the areas of preparing institutions and instructors to use the technology and to ...

4 Integrating discrete-event simulation with statistical process control charts for transitions in a manufacturing environment



Harriet Black Nembhard, Ming-Shu Kao, Gino Lim

December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation---a bridge to the future - Volume 1**

**Publisher:** ACM Press

Full text available: [pdf\(152.40 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

5 Software/modelware tutorials II: Extend: the Extend simulation environment

David Krah

December 2000 **Proceedings of the 32nd conference on Winter simulation**

**Publisher:** Society for Computer Simulation International

Full text available: [pdf\(616.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The Extend modeling environment provides an integrated structure for building simulation models and developing new simulation tools. This environment supports simulation modelers on a wide range of levels. Model builders can use Extend's pre-built modeling components to quickly build and analyze systems without programming. Simulation tool developers can use Extend's built-in, compiled language, ModL to develop new modeling components. All of this is done within a single, self-contained software ...

6 Software/modelware tutorials: Extend: the extend simulation environment

David Krah

December 2001 **Proceedings of the 33rd conference on Winter simulation**

**Publisher:** IEEE Computer Society

Full text available: [pdf\(795.94 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Extend simulation environment provides an integrated structure for building simulation models and developing new simulation tools. This environment supports simulation modelers on a wide range of levels. Model builders can use Extend's pre-built modeling components to quickly build and analyze systems without programming. Simulation tool developers can use Extend's built-in, compiled language, ModL, to develop new reusable modeling components. All of this is done within a single, self-contained ...

7 Recycling APL code into client/server applications



Richard J. Busman, Walter G. Fil, Andrei V. Kondrashev

June 1995 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on Applied programming languages APL '95**, Volume 25 Issue 4

**Publisher:** ACM Press


Full text available: [pdf\(994.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper analyzes the current state of modern APL and deals with the authors' experiences in recycling and downsizing old APL applications and transforming them into more open information systems using client/server technology on different hardware and software platforms.

**Keywords:** APL/W, DB2, DDE, DLL, Dyalog, MS Windows, ODBC, SHARP APL, SQL, client/server, downsizing APL applications

8 Software/modelware tutorials a: Extend: the Extend simulation environment

David Krah

December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers****Publisher:** Winter Simulation ConferenceFull text available:  [pdf\(581.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The Extend simulation environment provides the tools for all levels of modelers to efficiently create accurate and credible models. Extend's modern, advanced design and rich feature set reduce the amount of time developing, validating, verifying, and analyzing simulation models. Model builders can use Extend's pre-built modeling components to quickly build and analyze systems with little or no programming. Simulation tool developers can use Extend's built-in, compiled language, ModL, to develop ...

9 Microsoft Windows programming strategies

Mike Maxim

June 2000 **Crossroads**, Volume 6 Issue 4**Publisher:** ACM PressFull text available:  [html\(23.57 KB\)](#) Additional Information: [full citation](#), [index terms](#)10 RAPTOR: a visual programming environment for teaching algorithmic problem solving

Martin C. Carlisle, Terry A. Wilson, Jeffrey W. Humphries, Steven M. Hadfield

February 2005 **ACM SIGCSE Bulletin , Proceedings of the 36th SIGCSE technical symposium on Computer science education SIGCSE '05**, Volume 37 Issue 1**Publisher:** ACM PressFull text available:  [pdf\(268.98 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

When students are learning to develop algorithms, they very often spend more time dealing with issues of syntax rather than solving the problem. Additionally, the textual nature of most programming environments works against the learning style of the majority of students. RAPTOR is a visual programming environment, designed specifically to help students envision their algorithms and avoid syntactic baggage. RAPTOR programs are created visually and can be executed visually by tracing the execution ...

**Keywords:** flowcharts, problem solving, programming environments, visual programming

11 Turtlemania: a math game in a distributed environment

David Clipsham, Brett Huffman, Joe Meissell, Mario Guimaraes

January 1999 **ACM SIGCUE Outlook**, Volume 27 Issue 1**Publisher:** ACM PressFull text available:  [pdf\(413.90 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper is divided into four sections. First an introduction describes the basic goals of the educational math game and the environment chosen. The second section describes the software, showing pictures of the teacher interface (Figure 1) and the Student Interface (Figures 2 and 3). The third section describes the initial classroom experiments introducing the software to K-3 public school teachers and children from Pre-K to 6th grade. The last section presents the preliminary conclusions from ...

12 ASCII transliteration schemes

Leroy F. Dickey

December 1995 **ACM SIGAPL APL Quarterly Quad**, Volume 26 Issue 2**Publisher:** ACM Press

Full text available:  [pdf\(413.89 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

13 Verification, validation and accreditation: Soft-commissioning: hardware-in-the-loop-based verification of controller software

Harald Schludermann, Thomas Kirchmair, Markus Vorderwinkler

December 2000 **Proceedings of the 32nd conference on Winter simulation**

**Publisher:** Society for Computer Simulation International

Full text available:  [pdf\(243.77 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#)

The basic idea of Soft-Commissioning (SoftCom) is to test industrial control software by connecting a controller, e. g. a PLC (Programmable Logic Controller) to a commercial discrete event simulator (DES), which provides system reactions and sensor signals similar to the behavior of real hardware, e. g. an industrial manufacturing line. In order to establish a connection between simulator and PLC, a modular architecture was developed. The basis of this modular system is a communication protocol ...

14 Modern languages and Microsoft's component object model


 David N. Gray, John Hotchkiss, Seth LaForge, Andrew Shalit, Toby Weinberg  
May 1998 **Communications of the ACM**, Volume 41 Issue 5

**Publisher:** ACM Press

Full text available:  [pdf\(340.03 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#),  
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15 Three-dimensional widgets

 Brookshire D. Conner, Scott S. Snibbe, Kenneth P. Herndon, Daniel C. Robbins, Robert C. Zeleznik, Andries van Dam

June 1992 **Proceedings of the 1992 symposium on Interactive 3D graphics**

**Publisher:** ACM Press

Full text available:  [pdf\(2.59 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 Perspective and stereographic projections using J

 Gabe Brisson


March 1996 **ACM SIGAPL APL Quote Quad**, Volume 26 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(183.58 KB\)](#)


Additional Information: [full citation](#), [index terms](#)

17 Adventures in interoperability: the SML.NET experience

 Nick Benton, Andrew Kennedy, Claudio V. Russo

August 2004 **Proceedings of the 6th ACM SIGPLAN international conference on Principles and practice of declarative programming**

**Publisher:** ACM Press

Full text available:  [pdf\(434.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

SML.NET is a compiler for Standard ML that targets the Common Language Runtime and is integrated into the Visual Studio development environment. It supports easy interoperability with other .NET languages via a number of language extensions, which go considerably beyond those of our earlier compiler, MLj. This paper describes the new language extensions and the features of the Visual Studio plugin, including syntax highlighting, Intellisense, continuous type

inference and debugger support. We dis ...

**Keywords:** applications of declarative programming, functional programming, integration of paradigms, programming environments

### 18 Programming in J/Windows



Chris Burke

August 1994

**ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL : the language and its applications: the language and its applications APL '94**, Volume 25 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(558.12 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

J has been available as shareware for the last four years. The core language has been largely complete from outset, but it is only comparatively recently that the implementation (at least for the PC) has included features needed for serious application development. The most significant change was the introduction of Windows support in release 6, which for the first time allowed full screen applications to be written in J. Following the release of 6.2, which included many additions ...

### 19 Ready. Fire!! Aim???



Jeffrey K. Holtzman

November 1993

**Proceedings of the 11th annual international conference on Systems documentation**

**Publisher:** ACM Press

Full text available: [pdf\(1.73 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 20 Mobile and wireless games: Programming interactive real-time games over WLAN for pocket PCs with J2ME and .NET CF



Andreas Janecek, Helmut Hlavacs

October 2005

**Proceedings of 4th ACM SIGCOMM workshop on Network and system support for games NetGames '05**

**Publisher:** ACM Press

Full text available: [pdf\(144.06 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we compare the Java 2 Micro Edition and the .NET Compact Framework with respect to their performance for programming multiplayer games for PDAs. We benchmark results for both platforms dealing with computational capabilities and communication performance over WLAN. We also have developed a simple prototypical multiplayer game called 3D-Pong and evaluate how simple resilience mechanisms can hide WLAN packet losses for this game.

**Keywords:** .NET compact framework, Java micro edition, PocketPC, WLAN, interactive real-time games

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☒ 1. Document ID: US 7039555 B2

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File: USPT

May 2, 2006

US-PAT-NO: 7039555

DOCUMENT-IDENTIFIER: US 7039555 B2

TITLE: Method for detecting heat exchanger tube failures and their location when using input/loss performance monitoring of a recovery boiler

DATE-ISSUED: May 2, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040128111 A1

July 1, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Lang; Fred D.

San Rafael

CA

US

US-CL-CURRENT: 702/183; 165/11.1, 431/16, 702/22, 702/51

ABSTRACT:

This invention relates to a recovery boiler as used by the pulp and paper industry burning black liquor, and, more particularly, to a method for rapid detection of tube failures and the location of the affect heat exchanger within the recovery boiler, without need for direct instrumentation, thereby preventing more serious equipment damage, preventing boiler explosion, preventing injury to operators and minimizing repair time on the affected heat exchanger. This method is applicable to Input/Loss methods of monitoring recovery boilers.

74 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 2. Document ID: US 6651035 B1

L9: Entry 2 of 3

File: USPT

Nov 18, 2003

US-PAT-NO: 6651035

DOCUMENT-IDENTIFIER: US 6651035 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Method for detecting heat exchanger tube failures and their location when using input/loss performance monitoring of a power plant

DATE-ISSUED: November 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lang; Fred D	San Rafael	CA		

US-CL-CURRENT: 702/183; 165/11.1, 431/16, 702/22, 702/51

## ABSTRACT:

This invention relates to a fossil-fired thermal system such as a power plant or steam generator, and, more particularly, to a method for rapid detection of tube failures and their location with the steam generator, without need for direct instrumentation, thereby preventing more serious damage and minimizing repair time on the effected heat exchanger. This method is applicable to Input/Loss methods of monitoring fossil-fired thermal systems.

43 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ISMC	Grand Is
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☐ 3. Document ID: US 5395496 A

L9: Entry 3 of 3

File: USPT

Mar 7, 1995

US-PAT-NO: 5395496

DOCUMENT-IDENTIFIER: US 5395496 A

TITLE: Process for the synthesis of fullerenes

DATE-ISSUED: March 7, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsantrizos; Peter G.	Ville St-Pierre			CA
Grenier; Serge	Montreal			CA

US-CL-CURRENT: 204/173; 423/445B, 977/843

## ABSTRACT:

A process is disclosed to synthesize fullerenes in a plasma reactor. It comprises introducing various amounts of carbon halides as the plasma forming gas in a plasma torch capable of producing a high enough temperature flame to dissociate the carbon

bearing molecules into carbon and halogen atoms, hence forming a carbon cloud which condenses into a soot containing fullerenes. Also hydrocarbons can be introduced in the torch as the plasma forming gas and reacted with carbon halides or halogens injected therewith or directly into the plasma flame at the exit of the torch. Moreover, an inert gas, such as helium, may also be used as the plasma forming gas. The process can use a high enthalpy non-transferred d.c. plasma torch or an induction plasma torch as the plasma generating device.

28 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw. Co
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